



4119 White Bear Parkway, St. Paul, MN 55110 USA
 Phone (651) 429-1100, Fax (651) 429-1122
 Toll Free (800) 4-CORTEC, E-mail info@cortecvci.com
 Internet http://www.cortecvci.com

Evaluating corrosion inhibition of Suprabha's Rustofilm versus VpCI-126

Background: DGP Hinoday needed a film that could inhibit corrosion. They wanted to test which was a better corrosion inhibitor, Cortec's VpCI-126 or Suprabha's Rustofilm.

Purpose: Evaluate corrosion inhibition of Suprabha's Rustofilm versus Cortec's VpCI-126.

Materials: Carbon Steel Panels
 VpCI-126 6 mil film, lot # 700210
 Suprabha Rustofilm, 6 mil
 Uncoated Polyethylene film, 6 mil (control film)
 Perkin Elmer FT-IR 1000 Spectrometer
 Razor Blade test kit
 VIA test kit

Method: Razor Blade test
 VIA test
 FT-IR test

Procedure: The above tests were performed according to standard procedures for each.

Results:

Razor Blade Test Performed on Carbon Steel Panels

Film	Panel 1	Panel 2	Panel 3
Rustofilm	Fail	Fail	Fail
VpCI-126	Pass	Pass	Pass
Control	Fail	Fail	Fail



VIA Test

Film	Plug #1	Plug #2	Plug #3
Rustofilm	0	0	0
VpCI-126	3	2	3
Control	0	0	0

FT-IR results are attached at the end of the report.

Conclusion:

1. Rustofilm did not exhibit any anticorrosion properties. It failed the razor blade and VIA tests. The FT-IR results showed an insufficient amount of corrosion inhibitor in the film.
2. VpCI-126 inhibited contact corrosion for steel and provided excellent vapor phase corrosion inhibition.

Project #: 07-274-1125

VIA Test Grades (Grade 2 or 3 are passing)





